APPENDIX DD - Hazardous Waste

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Preparation Guidelines for Initial Site Assessment (ISA) Checklist for Hazardous Waste

The ISA Checklist is a guide for district screening and assessment of projects for potential hazardous waste involvement. It is not intended to take a lot of time and effort to complete; however, some assessments may take longer to complete just because of the magnitude and/or location of a proposed project.

Project Information Section

Be sure that the Project Manager and Project Engineer have been identified. Do not begin the ISA until the written project description and location maps have been provided (Since hazardous waste could effect project development, it is important to know what type of work is proposed and where it will be located).

Location Map

It is suggested that the location map provided by Design be attached to the ISA Checklist to provide a record of the area that has been assessed, as well as the findings. All future project limit changes should cause Design to request further assessment for hazardous waste.

Project Screening Section

Items 1 and 2 are risk indicators that could be used to determine the level of effort required to complete the ISA. Generally, a project that requires new right of way, excavation, structure modification or demolition, or utility relocation will have a greater potential for hazardous waste involvement than a project that does not include these features. An urban location would generally present more of a risk than a rural location; industrial land uses would generally be more risky than commercial uses; and so on.

Items 3 through 6 deal with the actual assessment:

- First, check available records to see if a known site is present. This item should not take a lot of effort, but it will require contacting the Regional Water Quality Control Board, the Department of Health Services, and the city/county agencies that deal with leaking underground tanks.

- Next, conduct a field inspection to look for indicators of potential hazardous waste or contamination. Identify businesses that store or use potentially hazardous materials (service stations, auto wrecking yards, paint companies, machine shops, metal platers, electronic manufacturers, dry cleaners, agricultural chemical suppliers, etc.). Other things to look for include landfills and dumps, surface storage of potentially hazardous materials (sumps, pits, steel drums, etc.), illegal dumping sites (especially on rural projects), and serpentine.

- Based on the field inspection, if there may have been a previous land use that could still present a hazardous waste or contamination risk , it may be necessary to verify the previous land use (e.g., abandoned service stations can usually be identified by the type of structure and location: the underground tank may still be there).

ISA Determination

The ISA determination is simply "Yes" or "No."

NO: No findings have been made that would indicate a known or potential hazardous waste problem within or near the proposed project.

YES: A known or potential site has been identified that could affect the proposed project and will take more time and effort to define and coordinate cleanup options.

Initial Site Assessment (ISA) Checklist

Project Information

District ____ County _____ Route _____ Kilometer Post (Post Mile) _____ EA _____

Description_____

_____

_____

_____

Is the project on the HW Study Minimal-Risk Projects List (HW1)? _____

Project Manager _____ phone # _____

Project Engineer _____ phone # _____

Project Screening

Attach the project location map to this checklist to show location of all know and/or potential HW sites identified.

1. Project Features: New R/W? _____ Excavation? _____ Railroad Involvement? _____

   Structure demolition/modification? _____ Subsurface utility relocation? _____

2. Project Setting _____

   Rural or Urban _____

   Current land uses _____

   Adjacent land uses _____
   (industrial, light industry, commercial, agricultural, residential, etc.)

3. Check federal, State, and local environmental and health regulatory agency records as necessary, to see if any known hazardous waste site is in or near the project area. If a known site is identified, show its location on the attached map and attach additional sheets, as needed, to provide pertinent information for the proposed project.

4. Conduct Field Inspection. Date _____ Use the attached map to locate potential or known HW sites.

   STORAGE STRUCTURES / PIPELINES:

   Underground tanks _____ Surface tanks _____

   Sumps _____ Ponds _____

   Drums _____ Basins _____

   Transformers _____ Landfill _____

   Other _____

Initial Site Assessment (ISA) Checklist
(continued)

CONTAMINATION: (spills, leaks, illegal dumping, etc.)

Surface staining _____ Oil sheen _____

Odors _____ Vegetation damage _____

Other _____

HAZARDOUS MATERIALS: (asbestos, lead, etc.)

Buildings _____ Spray-on fireproofing _____

Pipe wrap _____ Friable tile _____

Acoustical plaster _____ Serpentine _____

Paint _____ Other _____

5. Additional record search, as necessary, of subsequent land uses that could have resulted in a hazardous waste site. Use the attached map to show the location of potential hazardous waste sites.

6. Other comments and/or observations: _____

_____

_____

_____

_____

ISA Determination

Does the project have potential hazardous waste involvement? _____ If there is known or potential hazardous waste involvement, is additional ISA work needed before task orders can be prepared for the Investigation? _____ If "YES," explain; then give an estimate of additional time required: _____
_____

_____

_____

_____

A brief memo should be prepared to transmit the ISA conclusions to the Project Manager and Project Engineer.

ISA Conducted by _____ Date _____